

CLAIMS:

1. An edge device for a powered door, comprising an elongate array of infrared transmitter and/or receiver elements, and an elongate array of illuminable elements adapted to be illuminated when the door is open so as to be visible to persons approaching the door, each illuminable element being itself elongated in the direction of elongation of the array, the illuminable elements being arranged substantially end-to-end.

2. The edge device of claim 1 wherein the infrared elements and the illuminable elements are disposed in a common carrier structure.

3. An edge device for a powered door, comprising an elongate array of infrared transmitter and/or receiver elements and at least one illuminable element which extends with the array for a substantial part of the length thereof and which is adapted to be illuminated when the door is open so as to be visible to persons approaching the door, the infrared elements and the at least one illuminable element being disposed in a common carrier structure.

4. The edge device of claim 2 or claim 3 wherein the common carrier structure is a channel member.

5. The edge device of any preceding claim, wherein the at least one illuminable element is a series of illuminable elements.

6. The device of claim 5 wherein the infrared elements are vertically interleaved with the series of illuminable

elements along the length of the array, each adjacent pair of the illuminable elements being separated by a respective

infrared element.

7. The edge device of any preceding claims wherein the infrared elements extend vertically on a first side of the device, and the illuminable elements or series of illuminable elements extend vertically alongside the transmitters and/or receivers on a second side of the device.

8. The edge device of claim 7 when dependent from claim 4, comprising a barrier member extending longitudinally in the channel to separate the first and second sides of the common carrier structure.

9. The edge device of any preceding claim, wherein the at least one illuminable element includes circuitry that is positioned so as to be isolated against interference from circuitry utilized by the infrared transmitter elements.

10. The edge device of any preceding claim comprising drive circuitry configured to cause at least some of the illuminable elements to flash as an indication that the door is closing or is about to close.

11. The edge device of any of claims 1 to 9 wherein the or each illuminable element comprises a length of electroluminescent wire.

12. The edge device of any of claims 1 to 11 wherein the or each illuminable element is as claimed in any of the following claims 14 to 30.

13. The edge device of any of claims 1 to 12, being configured for use on an elevator door.

14. An edge device illuminable element having an elongate

dimension and being configured to be disposed substantially end-to-end with other such elements, the element comprising at least one localised source of light and, a light-emitting surface disposed along said elongate dimension.

15. The element of claim 14 wherein the illuminable element comprises a light-spreading lens, and a light diffuser or diffusing the spread light.

16. The element of claim 15, wherein the lens in one axis is cylindrical with an elliptical outer curvature and an inner curvature such that light is constrained to leave the lens with a generally equal light intensity at all points on the outer curvature.

17. The element of claim 16, wherein the inner curvature has an eccentricity of unity or greater.

18. The element of claim 17, wherein the inner curvature has a parabolic shape.

19. The element of any of claims 15 to 18, wherein the light source is a bicolour or tricolour diode.

20. The element of claim 14 comprising an elongate light-transmitting body having a reflective face, the light source being arranged to direct light toward the reflective face, the light reflecting therefrom exiting from the light-transmitting element via a further face thereof.

21. The element of claim 20, having a second light source arranged to direct light toward the back face, the light reflecting therefrom exiting from the light-transmitting element via said further face.

22. The element of claim 20 or 21 comprising a diffuser for diffusing light exiting via said further face.

23. The element of claim 20 or 21 wherein the or each light source is disposed at a respective end of the light-transmitting body.

24. The element of claim 23 wherein an optical axis of the or each light source is directed along the axis of elongation of the light-transmitting body.

25. The element of claim 23 wherein an optical axis of the or each light source is directed at a acute angle of the axis of elongation of the light-transmitting body so as to be incident on the reflective surface.

26. The element of any of claims 20 to 25 wherein the light transmitting body is of generally cylindrical section, the reflective surface being a portion (preferably a flattened portion) of a circumferential surface thereof.

27. The element of any of claims 20 to 25 wherein, except for the ends thereof, the light-transmitting body is generally of a prismatic section.

28. The element of claim 21 or any claim dependent thereon, wherein each light source is adapted to emit light of a different colour to that emitted by the other light source.

29. The element of any of claims 20 to 28 wherein the or each light source is a diode.

30. The element device of claim 29 wherein the or each light source is a bicolour or tricolour diode.